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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/562,053	08/08/2006	Florence Clement	1022702-000150	6174
21839	7590	12/08/2009	EXAMINER	
BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404				DOLLINGER, MICHAEL M
ART UNIT		PAPER NUMBER		
		1796		
NOTIFICATION DATE			DELIVERY MODE	
12/08/2009			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com

Office Action Summary	Application No.	Applicant(s)
	10/562,053	CLEMENT ET AL.
	Examiner	Art Unit
	MIKE DOLLINGER	1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 24 September 2009.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 25-36,38 and 40-48 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 25-36, 38 and 40-48 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) Notice of Informal Patent Application

6) Other: _____.

DETAILED ACTION***Double Patenting***

1. The nonstatutory obviousness-type double patenting rejection over claims 24-37 and 39-46 of copending Application No. 10/498,255 in view of Schueler et al (US 2002/0115771 A1) has been obviated by the amendments to the claims of 10/498,255, now U.S. Pat. No. 7,507,474.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 25-36, 38 and 40-48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rhodianyl (FR 2 833 603 A1) in view of Takashima et al (US 6,319,575 B1).

3. Rhodianyl discloses thermoplastic polymeric composition comprising a thermoplastic polymeric matrix M and a hyperbranched polyamide (PAHB) rheological modifier additive [page 4 lines 4-7]. The matrix M is preferably a polyester [page 11 lines 32-34] or a nylon chosen from nylon 6; nylon 6,6; nylon 4; nylon 11; nylon 12; polyamides 4-6, 6-10, 6-12, 6-36, 12-12; and copolymers and mixtures thereof [page 11 line 35 through page 12 line 2]. The PAHB is present in an amount of 1 to 20 % by mass of the total composition [page 9 lines

11-15]. The PAHB may be prepared from **(I)** 2,2,6,6-tetrakis(β -carboxyethyl) cyclohexanone; 4-aminoethyl-1,8-octanediamine; 1,3,5-benzene tricarboxylic acid (trimesic acid); or 2,4,6-tri(aminocaproic acid)-1,3,5-triazine [page 8 lines 26-30]; **(II)** ϵ -caprolactam and/or the corresponding amino acid: aminocaproic acid, para- or meta-aminobenzoic acid, 11-aminoundecanoic acid, lauryllactam and/or the corresponding amino acid, 12-aminododecanoic acid and mixtures thereof [page 8 lines 19-25]; **(III)** n-hexadecylamine, n-octadecylamine, n-dodecylamine, benzylamine or mixtures thereof [page 8 line 35 through page 9 line 2]; **and (IV)** 5-aminoisophthalic acid, 6-aminoundecanoic acid, 3-aminopimelic diacid, aspartic acid, 3,5-diaminobenzoic acid, 3,4-diaminobenzoic acid and mixtures thereof [page 8 lines 9-16].

4. Regarding claim 40, Example 1 of Rhodianyl discloses a PAHB derived from 49.8% by weight of **(III)** hexadecylamine, 30% by weight of **(IV)** 5-aminoisophthalic acid, 1.4% by weight of **(I)** trimesic acid and 18.8% by weight of **(II)** ϵ -caprolactam [page 15 lines 22-24]. The composition may be prepared by mixing the PAHB into the molten matrix [page 13 lines 19-20] and articles may be shaped by molding, injection molding, extrusion or spinning [page 13 line 36 through page 14 line 2].

5. Regarding claim 41, the content of acid and amine terminals ranges from 10.8 to 39.4 meq/kg [Table I page 19].

6. Regarding claim 43 and 44, the composition may also include reinforcing glass fibers [page 14 lines 4-6].

7. Rhodianyl does not disclose the additive (i) of the present claims.

8. Takashima discloses a polyester resin composition produced by melt kneading a mixture comprising a polyamide resin and a polyester resin and a tricarboxylic acid compound [abstract]. The tricarboxylic acid includes trimesic acid [column 5 line 53] and is present in an amount of 0.01 to 2 parts by weight per 100 parts by weight of the polyamide/polyester mixture [column 5 lines 62-65]. Takashima teaches that the tricarboxylic acid provides improved transparency and whitening resistance at moisture absorbing of films, sheets and thin-wall hollow containers without deteriorating their gas barrier properties [abstract].

9. It would have been obvious to one having ordinary skill in the art the time the invention was made to have prepared a polyester and or polyamide matrix with an additive (i) and an additive (ii) according to the claims because Rhodianyl teaches that it is within the skill of the art to prepare a composition comprising a polyester and/or polyamide matrix M and a PAHB rheological modifier additive according to the claimed additive (ii) and Takashima teaches that it is within the skill of the art to add to a polyester/polyamide composition a tricarboxylic acid including trimesic acid according to the claimed additive (i). One would have been motivated to add the tricarboxylic acid of Takashima to the composition of Rhodianyl because Takashima teach that the tricarboxylic acid improves transparency and whitening resistance at moisture absorbing of films, sheets and thin-wall hollow containers without deteriorating their gas barrier properties. Absent any evidence to the contrary, there would have been a reasonable

expectation of success in adding the tricarboxylic acid additive of Takashima to the composition of Rhodianyl.

Response to Arguments

10. Applicant's arguments with respect to claims 25-48 have been considered but are moot in view of the new ground(s) of rejection.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MIKE DOLLINGER whose telephone number is (571)270-5464. The examiner can normally be reached on M-F 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on 571-272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/mmd/

/Randy Gulakowski/
Supervisory Patent Examiner, Art Unit 1796